

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
October 2001

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Governor
State of California

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Secretary for Resources
The Resources Agency

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Director
Department of Water Resource

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MONTHLY HIGHLIGHTS

The following highlights are activities or actions that impacted State Water Project operations during the month of October 2001.

Statewide precipitation was 50 percent of average for the 2001-2002 water year as of October 31. Statewide runoff was 50 percent of average for the water year. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available via the internet at: <http://cdec.water.ca.gov/snow-rain.html>.

On October 31, total storage in major SWP reservoirs was about 2.43 MAF, compared with about 2.87 MAF at this time in 2000. The average storage in the major SWP reservoirs at the end of October is about 3.33 MAF. The October 31 storage at Lake Oroville was about 1.43 MAF as compared to 1.83 MAF last year. The State's share of San Luis Reservoir storage was about 372 TAF, as compared with 421 TAF at this time last year. On October 31, the combined storage in our southern reservoirs was about 628 TAF, compared with about 615 TAF at this time last year.

Through October, SWP water deliveries for 2001 were about 1.78 MAF. This is a combination of project, transfer, and exchange waters. This is 1.22 MAF less than delivered during the same period in 2000.

Delta Outflow and water quality governed operations throughout the month. At times the SWP exports were only a few hundred cfs. The water quality at Contra Costa canal was also a concern. The Delta Cross Channel experiment resumed.

Hyatt Powerplant generation was limited periodically throughout October to control inlet temperatures at the Feather River Fish Hatchery.

Table 1. Antelope Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 22,566 ac-ft

October 2001

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/		
				Stream-flow Maint.	Water Supply Contract	Water Right				
Sep 30	4992.19	14,487								
1	4992.17	14,473	-14	5	0	0	0			
2	4992.15	14,458	-15	5	0	0	0			
3	4992.12	14,437	-21	5	0	0	0			
4	4992.09	14,415	-22	5	0	0	0			
5	4992.09	14,415	0	5	0	0	0			
6	4992.05	14,387	-28	5	0	0	0			
7	4992.02	14,365	-22	5	0	0	0			
8	4991.98	14,337	-28	5	0	0	0			
9	4991.96	14,323	-14	5	0	0	0			
10	4991.94	14,309	-14	5	0	0	0			
11	4991.92	14,294	-15	5	0	0	0			
12	4991.90	14,280	-14	5	0	0	0			
13	4991.87	14,259	-21	5	0	0	0			
14	4991.85	14,245	-14	5	0	0	0			
15	4991.83	14,231	-14	5	0	0	0			
16	4991.81	14,216	-15	5	0	0	0			
17	4991.79	14,202	-14	5	0	0	0			
18	4991.77	14,188	-14	5	0	0	0			
19	4991.74	14,167	-21	5	0	0	0			
20	4991.72	14,153	-14	5	0	0	0			
21	4991.69	14,132	-21	5	0	0	0			
22	4991.67	14,118	-14	5	0	0	0			
23	4991.65	14,104	-14	5	0	0	0			
24	4991.63	14,089	-15	5	0	0	0			
25	4991.61	14,075	-14	5	0	0	0			
26	4991.58	14,054	-21	5	0	0	0			
27	4991.55	14,033	-21	5	0	0	0			
28	4991.54	14,026	-7	5	0	0	0			
29	4991.51	14,005	-21	5	0	0	0			
30	4991.57	14,047	42	5	0	0	0			
31	4991.53	14,019	-28	5	0	0	0			
Total cfs-days			---	155	0	0	0	104	259	
Total ac-ft			-468	307	0	0	0	207	514	
1/ Values not available on a daily basis.										

Table 2. Frenchman Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 55,477 ac-ft

October 2001

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/	Total Outflow 1/		
				Stream-flow Maint.	Water Supply Contract	Water Right					
Sep 30	5567.72	28,916									
1	5567.71	28,905	-11	2	1	0	0				
2	5567.69	28,884	-21	2	1	0	0				
3	5567.67	28,863	-21	2	1	0	0				
4	5567.66	28,853	-10	2	1	0	0				
5	5567.65	28,843	-10	2	1	0	0				
6	5567.63	28,822	-21	2	1	0	0				
7	5567.62	28,811	-11	2	1	0	0				
8	5567.60	28,790	-21	2	1	0	0				
9	5567.58	28,780	-10	2	4	0	0				
10	5567.54	28,727	-53	2	7	0	0				
11	5567.49	28,675	-52	2	8	0	0				
12	5567.48	28,665	-10	2	5	0	0				
13	5567.46	28,644	-21	2	3	0	0				
14	5567.45	28,633	-11	2	3	0	0				
15	5567.44	28,623	-10	2	3	0	0				
16	5567.42	28,602	-21	2	3	0	0				
17	5567.33	28,508	-94	2	3	0	0				
18	5567.33	28,508	0	2	3	0	0				
19	5567.33	28,508	0	2	3	0	0				
20	5567.32	28,498	-10	2	3	0	0				
21	5567.30	28,477	-21	2	3	0	0				
22	5567.28	28,456	-21	2	1	0	0				
23	5567.26	28,435	-21	2	0	0	0				
24	5567.28	28,456	21	2	0	0	0				
25	5567.27	28,446	-10	2	0	0	0				
26	5567.26	28,435	-11	2	0	0	0				
27	5567.25	28,425	-10	2	0	0	0				
28	5567.24	28,415	-10	2	0	0	0				
29	5567.22	28,394	-21	2	0	0	0				
30	5567.24	28,415	21	2	0	0	0				
31	5567.22	28,394	-21	2	0	0	0				
Total cfs-days				---	62	60	0	0	180	302	
Total ac-ft				-522	123	119	0	0	357	599	
1/ Values not available on a daily basis.											

Table 3. Lake Davis

Daily Operation

(in acre-feet except as noted)

Capacity: 84,371 ac-ft

October 2001

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/		
				Stream-flow Maint.	Water Supply Contract	Water Right				
Sep 30	5763.67	45,409								
1	5763.66	45,380	-29	10	0	0	0			
2	5763.64	45,324	-56	10	0	0	0			
3	5763.63	45,295	-29	10	0	0	0			
4	5763.62	45,267	-28	10	0	0	0			
5	5763.59	45,182	-85	10	0	0	0			
6	5763.57	45,125	-57	10	0	0	0			
7	5763.55	45,068	-57	10	0	0	0			
8	5763.52	44,983	-85	10	0	0	0			
9	5763.48	44,870	-113	10	0	0	0			
10	5763.45	44,785	-85	10	0	0	0			
11	5763.44	44,757	-28	10	0	0	0			
12	5763.41	44,673	-84	10	0	0	0			
13	5763.40	44,645	-28	10	0	0	0			
14	5763.38	44,588	-57	10	0	0	0			
15	5763.37	44,560	-28	10	0	0	0			
16	5763.34	44,476	-84	7	0	0	0			
17	5763.34	44,476	0	3	0	0	0			
18	5763.33	44,448	-28	3	0	0	0			
19	5763.32	44,420	-28	6	0	0	0			
20	5763.30	44,363	-57	10	0	0	0			
21	5763.28	44,307	-56	10	0	0	0			
22	5763.26	44,251	-56	10	0	0	0			
23	5763.25	44,223	-28	10	0	0	0			
24	5763.22	44,139	-84	10	0	0	0			
25	5763.20	44,083	-56	10	0	0	0			
26	5763.18	44,028	-55	10	0	0	0			
27	5763.15	43,944	-84	10	0	0	0			
28	5763.15	43,944	0	10	0	0	0			
29	5763.13	43,888	-56	10	0	0	0			
30	5763.16	43,972	84	10	0	0	0			
31	5763.16	43,972	0	10	0	0	0			
Total cfs-days			---	289	0	0	0	494	783	
Total ac-ft			-1,437	573	0	0	0	979	1,552	
1/ Values not available on a daily basis.										

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537,580 ac-ft

October 2001

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow					Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal	Evaporation 2/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 3/
Sep 30	728.78	1,487,684								
1	728.00	1,481,004	-6,680	10,449	34	283	0	10,766	0	4,086
2	727.72	1,478,611	-2,393	5,473	31	293	0	5,797	0	3,404
3	727.42	1,476,051	-2,560	6,587	30	269	0	6,886	0	4,326
4	727.29	1,474,941	-1,110	5,094	27	201	0	5,322	0	4,212
5	727.34	1,475,368	427	4,947	25	128	0	5,100	0	5,527
6	727.63	1,477,843	2,475	1,495	25	104	0	1,624	0	4,099
7	728.11	1,481,945	4,102	0	25	104	0	129	0	4,231
8	728.15	1,482,287	342	3,433	25	91	0	3,549	0	3,891
9	727.92	1,480,320	-1,967	3,951	26	147	0	4,124	0	2,157
10	727.74	1,478,782	-1,538	5,110	26	159	0	5,295	0	3,757
11	727.36	1,475,538	-3,244	6,929	26	153	0	7,108	0	3,864
12	727.11	1,473,408	-2,130	7,650	26	183	0	7,859	0	5,729
13	726.85	1,471,193	-2,215	5,523	26	274	0	5,823	0	3,608
14	726.68	1,469,747	-1,446	7,144	26	201	0	7,371	0	5,925
15	726.30	1,466,518	-3,229	6,694	26	97	0	6,817	0	3,588
16	726.36	1,467,027	509	5,122	26	134	0	5,282	0	5,791
17	726.09	1,464,734	-2,293	7,512	26	109	0	7,647	0	5,354
18	726.00	1,463,971	-763	7,509	26	115	0	7,650	0	6,887
19	725.71	1,461,513	-2,458	6,653	26	109	0	6,788	0	4,330
20	725.60	1,460,581	-932	6,250	26	121	0	6,397	0	5,465
21	725.35	1,458,465	-2,116	7,233	26	109	0	7,368	0	5,252
22	725.17	1,456,943	-1,522	6,216	26	103	0	6,345	0	4,823
23	724.61	1,452,214	-4,729	7,879	22	85	0	7,986	0	3,257
24	724.01	1,447,159	-5,055	7,983	20	139	0	8,142	0	3,087
25	723.32	1,441,361	-5,798	7,114	20	109	0	7,243	0	1,445
26	722.81	1,437,086	-4,275	6,735	20	109	0	6,864	0	2,589
27	722.64	1,435,663	-1,423	5,561	20	109	0	5,690	0	4,267
28	722.43	1,433,907	-1,756	6,398	20	60	0	6,478	0	4,722
29	722.24	1,432,319	-1,588	6,462	15	56	0	6,533	0	4,945
30	722.26	1,432,486	167	6,692	12	48	0	6,752	0	6,919
31	722.37	1,433,405	919	5,727	12	0	0	5,739	0	6,658
Total		-54,279	187,525	747	4,202	0	192,474	0	138,195	

1/ Includes bypass flows

2/ Evaporation will be zero for days when there is precipitation or heavy overcast.

3/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Daily Operation

(in acre-feet except as noted)

October 2001

Capacity: 25,120 ac-ft

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County	Thermalito Irrigation District	Releases To River 4/	Hyatt Powerplant Pumpback	
Sep 30	23,475										
1	23,880	405	10,449	0	0	9,025	0	7	1,259	0	247
2	23,368	-512	5,473	0	0	4,804	1	7	1,252	0	79
3	23,592	224	6,587	0	0	5,257	1	7	1,252	0	154
4	23,942	350	5,094	0	0	3,539	1	7	1,256	0	59
5	24,873	931	4,947	0	0	2,813	1	7	1,275	0	80
6	24,502	-371	1,495	0	0	649	1	7	1,255	0	46
7	23,151	-1,351	0	0	0	0	1	7	1,255	0	-88
8	24,174	1,023	3,433	0	0	1,259	1	7	1,256	0	113
9	24,490	316	3,951	0	0	2,447	1	7	1,258	0	78
10	24,212	-278	5,110	0	0	4,241	1	7	1,256	0	117
11	24,439	227	6,929	0	0	5,529	1	7	1,254	0	89
12	24,299	-140	7,650	0	0	6,672	1	7	1,256	0	146
13	24,574	275	5,523	0	0	4,090	1	7	1,255	0	105
14	24,527	-47	7,144	0	0	6,012	1	7	1,255	0	84
15	24,496	-31	6,694	0	0	5,609	1	7	1,241	0	133
16	24,536	40	5,122	0	0	3,923	1	7	1,261	0	110
17	24,540	4	7,512	0	0	6,278	1	7	1,295	0	73
18	24,665	125	7,509	0	0	6,198	1	7	1,257	0	79
19	24,486	-179	6,653	0	0	5,684	1	7	1,234	0	94
20	23,599	-887	6,250	0	0	6,038	1	7	1,234	0	143
21	24,270	671	7,233	0	0	5,435	1	8	1,234	0	116
22	24,302	32	6,216	0	0	5,036	1	8	1,234	0	95
23	24,698	396	7,879	0	0	6,303	1	8	1,228	0	57
24	24,766	68	7,983	0	0	6,724	1	8	1,226	0	44
25	24,578	-188	7,114	0	0	6,168	1	8	1,230	0	105
26	24,618	40	6,735	0	0	5,546	1	8	1,224	0	84
27	24,080	-538	5,561	0	0	4,959	1	8	1,232	0	101
28	24,243	163	6,398	0	0	5,092	1	8	1,232	0	98
29	24,055	-188	6,462	0	0	5,572	1	8	1,230	0	161
30	24,133	78	6,692	0	0	5,651	1	8	1,232	0	278
31	24,133	0	5,727	0	0	4,607	1	8	1,222	0	111
Total		658	187,525	0	0	151,160	30	228	38,640	0	3,191

1/ Sum of Thermalito Forebay and Diversion Pool.

2/ Sum of releases from Lake Oroville through Hyatt plant, spill, and spillway leakage.

3/ Includes Bypass flows at Thermalito.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

October 2001

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow	Outflow						Losses (-) and Gains (+)	Total Releases to River 2/	
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback			
Sep 30	126.60	21,799											
1	128.42	27,104	5,305	9,025	1,127	0	82	697	1,048	0	-766	2,307	
2	128.93	28,688	1,584	4,804	1,099	6	146	820	1,041	0	-108	2,293	
3	129.46	30,380	1,692	5,257	1,109	10	210	846	1,041	0	-349	2,293	
4	129.52	30,575	195	3,539	1,166	10	232	847	1,045	0	-44	2,301	
5	129.26	29,737	-838	2,813	1,202	8	230	889	1,061	0	-261	2,336	
6	128.39	27,012	-2,725	649	1,232	6	226	906	1,041	0	37	2,296	
7	127.16	23,373	-3,639	0	1,238	6	224	936	1,043	0	-192	2,298	
8	126.16	20,600	-2,773	1,259	1,313	8	349	1,022	1,045	0	-295	2,301	
9	125.47	18,778	-1,822	2,447	1,271	10	458	1,180	1,045	0	-305	2,303	
10	125.39	18,572	-206	4,241	1,240	22	518	1,319	1,043	0	-305	2,299	
11	125.60	19,116	544	5,529	1,269	26	553	1,392	1,041	0	-704	2,295	
12	126.17	20,627	1,511	6,672	1,267	22	563	1,377	1,043	0	-889	2,299	
13	125.76	19,535	-1,092	4,090	1,319	22	561	1,323	1,041	0	-916	2,296	
14	126.05	20,306	771	6,012	1,353	22	565	1,323	1,041	0	-937	2,296	
15	126.15	20,573	267	5,609	1,345	22	565	1,448	1,027	0	-935	2,268	
16	125.51	18,882	-1,691	3,923	1,414	12	643	1,585	1,046	0	-914	2,307	
17	125.69	19,351	469	6,278	1,436	4	702	1,621	1,081	0	-965	2,376	
18	125.84	19,747	396	6,198	1,492	6	712	1,674	1,043	0	-875	2,300	
19	125.80	19,641	-106	5,684	1,480	6	635	1,702	1,020	0	-947	2,254	
20	125.90	19,906	265	6,038	1,515	6	593	1,700	1,022	0	-937	2,256	
21	125.75	19,509	-397	5,435	1,545	6	589	1,700	1,022	0	-970	2,256	
22	125.46	18,752	-757	5,036	1,539	4	593	1,591	1,020	0	-1,046	2,254	
23	125.69	19,351	599	6,303	1,517	6	597	1,502	1,014	0	-1,068	2,242	
24	126.13	20,520	1,169	6,724	1,498	6	595	1,571	1,012	0	-873	2,238	
25	126.27	20,897	377	6,168	1,527	6	615	1,648	1,016	0	-979	2,246	
26	126.16	20,600	-297	5,546	1,563	21	625	1,742	1,010	0	-882	2,234	
27	125.80	19,641	-959	4,959	1,579	34	623	1,779	1,020	0	-883	2,252	
28	125.35	18,469	-1,172	5,092	1,581	32	619	1,779	1,020	0	-1,233	2,252	
29	125.15	17,959	-510	5,572	1,579	30	611	1,900	1,018	0	-944	2,248	
30	125.26	18,239	280	5,651	1,564	30	605	1,855	1,020	0	-297	2,252	
31	124.76	18,239	0	4,607	1,551	30	601	1,716	1,010	0	301	2,232	
Total				-3,560	151,160	42,930	439	15,440	43,390	32,040	0	-20,481	70,680

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

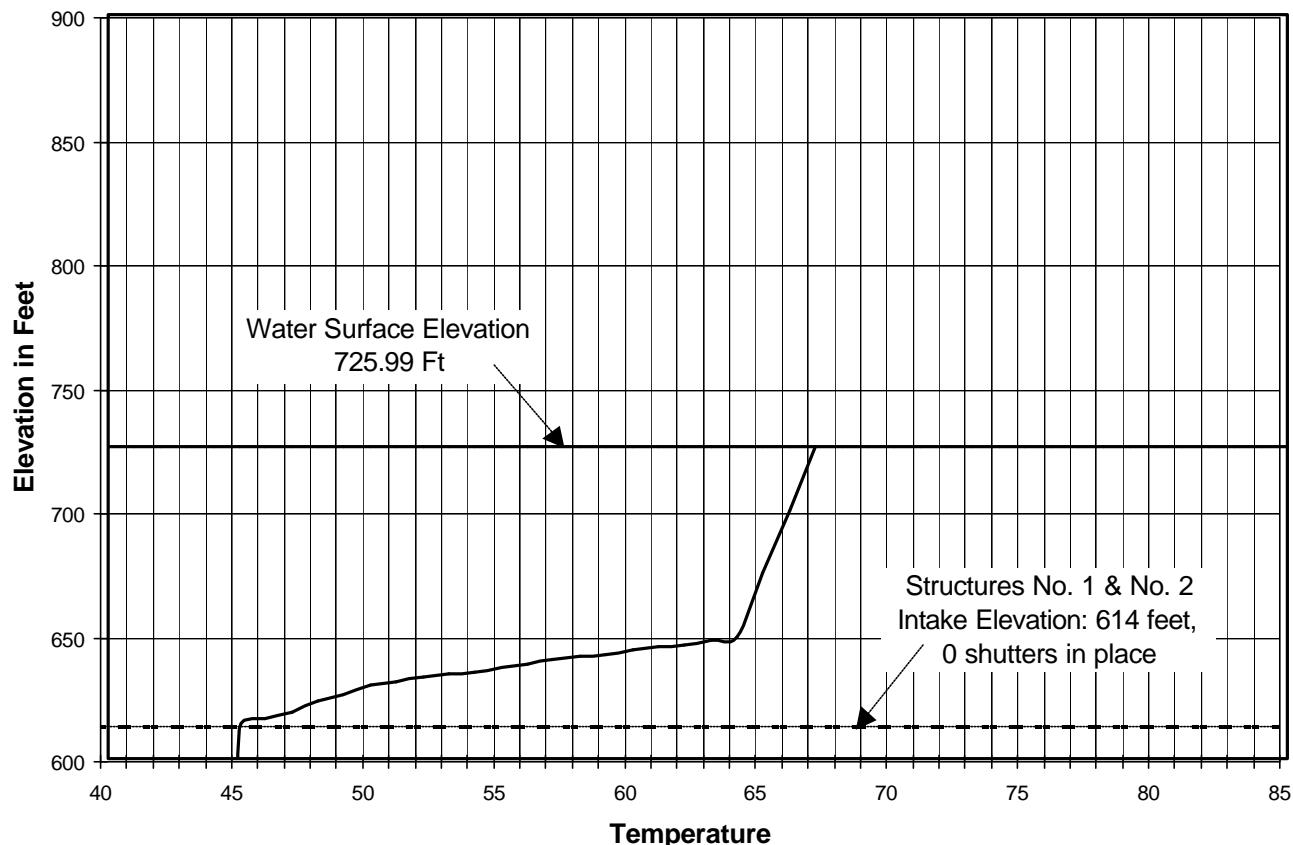
Table 7. Oroville-Thermalito Complex

Water Temperature Data

(in degrees Fahrenheit)

October 2001

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	69	53
2	68	55
3	67	54
4	65	53
5	64	52
6	64	52
7	64	52
8	65	52
9	65	52
10	63	52
11	63	53
12	62	54
13	62	55
14	61	54
15	61	54
16	60	55
17	60	54
18	60	55
19	60	56
20	60	56
21	59	56
22	59	57
23	58	57
24	57	58
25	57	58
26	57	58
27	57	59
28	57	58
29	57	58
30	57	58
31	57	59

**Lake Oroville Temperature Profile
on October 18, 2001**

Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

October 2001

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries			
	Beginning and Ending		Structure			Entitlement		Permit	
	No.		Mile	M & I		Benicia			
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	5,319	378	997	358	
		Travis Surge Tank	8.78						
			8.80	Solano County Water Agency Travis Turnout	358				
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	378				
				Solano County Water Agency Fairfield / Vacaville 42"	997				
			17.00	Solano County Water Agency Central Solano	Stub				
2	3A	Cordelia Forebay	21.23			627	385	1,195	
		Cordelia Pumping Plant & Cordelia Spillway	21.30		3,403				
		Napa Pipeline	21.33	Solano County Water Agency Vallejo	1,012				
				Solano County Water Agency Benicia	1,195				
		Cordelia Surge Tank	23.33						
		Creston Surge Tank Connection	25.65						
3B	2		26.95	Napa County Flood Control & WCD American Canyon 2	8	8	985	203	
			27.27	Napa County Flood Control & WCD American Canyon 3	0				
		Napa Terminal Tank	27.58	City of Napa	985				
			27.60	Napa County Flood Control & WCD American Canyon 1	203				

Table 9. Delta Field Division Plant Data

(in acre-feet)

October 2001

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	164	113	7,642	7,642	615	0	0	0
2	160	105	7,770	7,770	631	0	0	0
3	133	91	7,282	7,282	590	0	0	0
4	155	95	4,944	4,944	529	0	0	0
5	156	95	3,867	3,867	526	0	0	0
6	162	98	2,032	2,032	516	0	0	0
7	150	92	1,145	1,145	505	0	0	0
8	152	93	1,132	1,132	519	0	0	0
9	138	89	1,091	1,091	560	0	0	0
10	152	105	1,080	1,080	630	0	0	0
11	139	94	793	793	525	0	0	0
12	133	80	691	691	506	0	0	0
13	163	105	696	696	498	0	0	0
14	141	90	805	805	485	0	0	0
15	178	86	682	682	519	0	0	0
16	213	116	691	691	505	0	0	0
17	238	152	726	726	508	0	0	6
18	235	152	0	0	496	0	0	18
19	242	155	1,048	1,048	510	0	0	26
20	229	143	366	366	496	0	0	28
21	237	146	1,162	1,162	506	0	0	28
22	225	136	1,057	1,057	492	0	0	21
23	197	128	1,119	1,119	464	0	0	13
24	209	146	1,136	1,136	464	0	0	2
25	201	155	1,061	1,061	468	50	0	0
26	177	132	1,169	1,169	464	174	0	0
27	126	79	1,074	1,074	447	160	0	0
28	139	96	923	923	480	149	0	0
29	130	75	1,070	1,070	446	142	0	0
30	137	94	2,011	2,011	218	133	0	0
31	108	67	4,041	4,041	418	0	0	0
Total	5,319	3,403	60,306	60,306	15,536	808	0	142

Table 10. Clifton Court Forebay

Daily Operation of Gates

October 2001

Date	Time								Amount of inflow in Acre-Feet
	Opened	Closed	Opened	Closed	Opened	Closed	Opened	Closed	
1	---	8:00	9:30	11:30	23:00	---			7,916
2	---	9:40							7,915
3	0:01	1:27	4:27	9:30					7,159
4	0:47	2:00	5:02	9:23					4,958
5	0:01	2:30	5:37	7:50					3,965
6	12:30	14:00							987
7	15:00	17:44							982
8	00:01	00:01							982
9	12:45	15:45							972
10	16:53	19:20							972
11	2:40	3:55							579
12	3:20	4:10	7:00	8:55					579
13	4:10	4:55							584
14	1:00	2:00							543
15	0:50	2:58							580
16	00:00	00:00							595
17	4:07	4:46							583
18	10:08	12:44							540
19	0:30	1:30							537
20	10:00	10:45							562
21	0:10	3:30							1,273
22	0:20	2:30							1,269
23	1:40	13:14							1,268
24	0:30	2:40							1,264
25	0:35	3:30							1,276
26	0:35	2:35							1,274
27	0:30	3:10							1,286
28	0:40	2:00							1,266
29	3:42	6:20	17:40	19:30					1,953
30	2:20	4:21	8:36	13:23					1,946
31	2:35	6:00	18:12	---					3,912
Total inflow for the month in AF:									60,477

Table 11. Governor Edmund G. Brown California Aqueduct
 Delta Field Division, Monthly Deliveries

(In acre-feet)

October 2001

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Entitle-ment	USBR	Local	Dry Year Purchase	Carryover Ent.		
	No.	Structure	Mile									
1	Banks Pumping Plant	3.32			60,306							
2A	1	South Bay Pumping Plant	4.49	Bethany Reservoir inlet	15,536	79	78					
		Check No. 1	5.95									
	2	Check No. 2	12.01									
	3		12.47	Musco Olive	78							
		Check No. 3	18.29									
	4		22.16	Tracy Golf & Country Club	0							
		Check No. 4	23.99									
	5	Check No. 5	29.73									
	6	Check No. 6	34.24									
	7		35.22	Turlock Fruit Company Inflow	0							
		Check No. 7	39.91									
2B	8		42.46	Oak Flat Water District-A	27	79	78					
			42.9	Western Hills WD	79							
			43.81	Oak Flat Water District-B	137							
			44.64	Oak Flat Water District-C	159							
		Check No. 8	45.97									
			46.18	Oak Flat Water District-D	86							
	9			Oak Flat Totals:	409		0	0	409	0		
		Check No. 9	51.3									
	10	Check No. 10	56.86									
	11	Check No. 11	61.4									
	12		66.14	Veteran's Cemetery	8		8					
		Check No. 12	66.71		35,606							

Table 12. South Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

October 2001

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries				
	Beginning and Ending		No.			Entitlement	General Wheeling	Local	Recreation	
	No.	Structure	Mile							
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	15,536	4	17	1,030	114	
			3.17	Granite - Vasco Rd. (Temp.)	0					
			3.18	Oakland Scavenger Zone 7	4					
		Check No. 1	3.91							
	2	Check No. 2	5.21							
2	3		7.21	Zone 7 Altamont	17	17	1,030	114	19	
		Check No. 3	9.49	Zone 7 Patterson Stored Exchange	0					
				Zone 7 Patterson Project Water	1,030					
4	4	Check No. 4	10.68			8	1,130	26	521	
	5	Check No. 5	12.29							
	6		13.55	Zone 7 Wente #1	114					
			14.16	Zone 7 Wente #2	19					
			14.31	Ising Project Water	8					
			14.65							
	7		14.78	Zone 7 Arroyo Mocho	1,130					
			16.38							
	8	Del Valle Branch Pipeline Junction	16.57	Zone 7 Wente #3	1		1	9	534	
			16.69	Zone 7 Norman Nursery	1					
			16.70	Zone 7 Concannon Project Water	26					
			18.63	(Pumped into Lake Del Valle)	808					
				(Flow into South Bay Aqueduct)	142					
5		Deliveries through Del Valle Branch Pipeline		Arroyo Valle #1 & #2 Project Water	521	47	2,155	127	534	
				Arroyo Valle #1 & #2 Stored Exchange	0					
				Lake Del Valle Recreation	9					
				Zone 7 Wente #5	47					
				So. Livermore Project	2,155					
6			19.20	So. Livermore Inflow Released	0	2,842	6,284	2,842	6,284	
				So. Livermore Stored Exchanged	0					
				Zone 7 - Kalthrof Detjens	127					
7		La Costa Tunnel	22.50	ACWD Vallecitos Storage Exchange	534	2,842	6,284	2,842	6,284	
				City of San Francisco San Antonio	0					
8		Mission Tunnel	28.97	ACWD - Bayside 1 & 2 Project Water: Inflow Released	2,842	2,842	6,284	2,842	6,284	
				Stored Exchange:	0					
9		Santa Clara Pipeline	35.86	S.C.V.W.D. Meter	6,284					

Table 13. Lake Del Valle

Daily Operation

Capacity: 77,106 ac-ft

(in acre-feet except as noted)

October 2001

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct	Recreation Deliveries 2/	Evaporation	Total Outflow	
Sep 30	700.54	38,198									
1	700.70	38,308	110	126	0	0	0	0	16	16	0.00
2	700.89	38,439	131	149	0	0	0	0	18	18	0.00
3	700.96	38,488	49	66	0	0	0	0	17	17	0.00
4	701.05	38,550	62	75	0	0	0	0	13	13	0.00
5	701.06	38,557	7	20	0	0	0	0	13	13	0.00
6	701.12	38,598	41	46	0	0	0	0	5	5	0.00
7	701.16	38,626	28	36	0	0	0	0	8	8	0.00
8	701.17	38,633	7	15	0	0	0	0	8	8	0.00
9	701.31	38,730	97	107	0	0	0	0	10	10	0.00
10	701.47	38,841	111	123	0	0	0	0	12	12	0.00
11	701.52	38,876	35	47	0	0	0	0	12	12	0.00
12	701.51	38,869	-7	3	0	0	0	0	10	10	0.00
13	701.54	38,890	21	29	0	0	0	0	8	8	0.00
14	701.42	38,806	-84	-73	0	0	0	0	11	11	0.00
15	701.43	38,813	7	20	0	0	0	0	13	13	0.00
16	701.37	38,772	-41	-28	0	0	0	0	13	13	0.23
17	701.40	38,793	21	40	0	0	6	0	13	19	0.00
18	701.35	38,758	-35	-3	0	0	18	0	14	32	0.00
19	701.32	38,737	-21	18	0	0	26	0	13	39	0.00
20	701.37	38,772	35	71	0	0	28	0	8	36	0.00
21	701.32	38,737	-35	5	0	0	28	0	12	40	0.00
22	701.27	38,702	-35	-9	0	0	21	0	5	26	0.00
23	701.25	38,688	-14	8	0	0	13	1	8	22	0.00
24	701.25	38,688	0	16	0	0	2	1	13	16	0.00
25	701.19	38,647	-41	-80	50	0	0	1	10	11	0.00
26	701.24	38,681	34	-129	174	0	0	1	10	11	0.00
27	701.24	38,681	0	-152	160	0	0	1	7	8	0.00
28	701.20	38,654	-27	-168	149	0	0	1	7	8	0.00
29	701.19	38,647	-7	-141	142	0	0	1	7	8	0.00
30	701.02	38,529	-118	-245	133	0	0	1	5	6	0.00
31	701.02	38,529	0	8	0	0	0	1	7	8	0.00
Total				331	0	808	0	142	9	326	477
1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.											
2/ To East Bay Regional Park District.											
NR=No Records											

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

October 2001

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)	
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliveries 2/		
Sep 30	220.24	43,775											
1	220.18	43,619	-156	0	1,675	0	2,944	0	1,725	3,035	14	76	
2	220.47	44,374	755	0	1,591	0	3,555	0	1,792	3,068	13	108	
3	220.23	43,749	-625	0	1,503	0	3,296	0	1,354	3,819	13	72	
4	219.41	41,631	-2,118	0	1,426	0	2,138	0	1,344	3,171	12	-105	
5	221.07	45,944	4,313	0	1,404	3,646	1,704	0	1,252	3,295	13	-20	
6	222.68	50,193	4,249	0	1,546	3,266	741	0	0	3,241	13	-157	
7	219.62	42,170	-8,023	0	1,680	0	0	0	2,161	3,477	11	-76	
8	220.13	43,489	1,319	0	1,892	2,940	190	0	1,620	2,639	11	-87	
9	220.12	43,463	-26	0	2,048	2,855	0	0	1,800	2,936	13	-167	
10	220.34	44,036	573	0	2,143	4,079	109	0	2,430	3,475	12	-125	
11	220.42	44,244	208	0	2,297	3,796	114	0	2,425	3,455	10	-212	
12	221.97	48,308	4,064	0	2,379	5,777	0	0	2,433	3,532	11	-131	
13	222.37	49,368	1,060	0	2,347	3,473	0	0	2,436	2,619	10	-221	
14	220.36	44,088	-5,280	0	2,366	2,030	0	0	2,438	4,273	11	-336	
15	220.48	44,400	312	0	2,440	3,055	0	0	2,405	2,770	10	-153	
16	221.00	45,760	1,360	0	2,161	3,747	0	0	2,252	2,746	11	-213	
17	221.08	45,970	210	0	1,936	2,820	0	0	1,624	3,022	11	7	
18	221.39	46,784	814	0	1,940	3,322	0	0	1,627	3,124	15	-86	
19	223.31	51,875	5,091	0	1,921	5,714	0	0	1,538	3,044	13	-473	
20	220.87	45,420	-6,455	0	1,874	0	0	0	2,269	2,858	12	11	
21	220.17	43,593	-1,827	0	1,898	2,880	0	0	2,530	3,186	11	28	
22	220.73	45,054	1,461	0	1,999	3,035	0	0	1,626	2,601	12	-58	
23	220.64	44,818	-236	0	1,395	3,031	0	0	1,446	2,923	12	-164	
24	220.84	45,341	523	0	1,092	2,808	0	0	815	2,752	9	-60	
25	221.48	47,020	1,679	0	1,173	2,296	251	0	815	2,384	8	333	
26	221.90	48,124	1,104	0	1,316	3,005	0	0	818	2,893	8	-45	
27	220.17	43,593	-4,531	0	1,324	0	236	0	818	3,062	8	44	
3/ 28	220.03	43,230	-363	0	1,234	4,099	0	0	872	4,472	8	-157	
29	220.11	43,437	207	0	1,584	1,727	199	0	818	2,318	6	-264	
30	221.69	47,572	4,135	0	2,330	2,789	927	0	1,363	2,474	6	-118	
31	222.35	49,314	1,742	0	2,882	2,842	1,547	0	3,270	2,886	6	-231	
Total				5,539	0	56,796	79,032	17,951	0	52,116	95,550	333	-2,980
Mean cfs				---	0	1,832	2,549	579	0	1,681	3,082	11	-96
Acre-feet				5,539	0	112,757	157,098	35,606	0	103,442	189,889	660	-5,931

1/ Pump-in located at Mile 79.67R.

2/ Includes 237 AF delivered to DFG at O'Neill Forebay and 423 AF to San Luis Water District.

3/ 25 hr. day; the factor for converting CFS/AF is 2.0661.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

October 2001

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 2,027,835 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)	Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.	
Sep 30	435.23	829,590						
1	435.52	832,317	2,727	1,725	0	195	0	-155
2	435.73	834,293	1,976	1,792	0	202	0	-594
3	435.96	836,460	2,167	1,354	0	201	0	-60
4	436.19	838,629	2,169	1,344	0	193	0	-57
5	435.68	833,823	-4,806	1,252	3,646	200	0	171
6	434.94	826,865	-6,958	0	3,266	192	0	-50
7	435.27	829,966	3,101	2,161	0	189	0	-409
8	434.93	826,772	-3,194	1,620	2,940	198	0	-92
9	434.67	824,332	-2,440	1,800	2,855	192	0	17
10	434.28	820,677	-3,655	2,430	4,079	194	0	0
11	433.97	817,776	-2,901	2,425	3,796	196	0	104
12	433.22	810,772	-7,004	2,433	5,777	193	0	6
13	432.97	808,441	-2,331	2,436	3,473	201	0	63
14	433.06	809,280	839	2,438	2,030	183	0	198
15	432.87	807,510	-1,770	2,405	3,055	196	0	-46
16	432.54	804,439	-3,071	2,252	3,747	199	0	146
17	432.24	801,650	-2,789	1,624	2,820	192	0	-18
18	431.84	797,937	-3,713	1,627	3,322	193	0	16
19	430.98	789,974	-7,963	1,538	5,714	194	0	355
20	431.41	793,952	3,978	2,269	0	191	0	-72
21	431.30	792,934	-1,018	2,530	2,880	171	0	8
22	430.95	789,697	-3,237	1,626	3,035	194	0	-29
23	430.64	786,834	-2,863	1,446	3,031	189	0	331
24	430.18	782,592	-4,242	815	2,808	162	0	16
25	429.78	778,909	-3,683	815	2,296	162	0	-214
26	429.27	774,223	-4,686	818	3,005	177	0	2
27	429.37	775,141	918	818	0	176	0	-179
2/ 28	428.64	768,447	-6,694	872	4,099	156	0	143
29	428.39	766,159	-2,288	818	1,727	168	0	-77
30	428.05	763,051	-3,108	1,363	2,789	145	0	4
31	428.16	764,056	1,005	3,270	2,842	139	0	218
Total			-65,534	52,116	79,032	5,733	0	-254
Mean cfs			---	1,681	2,549	185	0	-8
Acre-feet			-65,534	103,442	157,098	11,383	0	-495

1/ Pacheco Tunnel, San Felipe Split; Santa Clara: 10,766 AF, San Benito: 617 AF.

2/ 25 hour day; the factor for converting CFS/AF is 2.0661.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

October 2001

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	6,019	6,019	0	0	3,422	-70	387
2	6,086	6,086	0	0	3,555	-47	400
3	7,574	7,574	0	0	2,686	269	398
4	6,289	6,289	0	0	2,665	155	382
5	6,535	6,535	7,232	7,232	2,484	-23	396
6	6,428	6,428	6,479	6,479	0	0	381
7	6,896	6,896	0	0	4,286	14	375
8	5,234	5,234	5,831	5,831	3,213	-45	392
9	5,823	5,823	5,663	5,663	3,570	-62	380
10	6,893	6,893	8,090	8,090	4,820	-68	385
11	6,853	6,853	7,529	7,529	4,810	-146	389
12	7,005	7,005	11,458	11,458	4,825	-117	382
13	5,195	5,195	6,889	6,889	4,832	-60	398
14	8,476	8,476	4,027	4,027	4,835	-63	362
15	5,495	5,495	6,060	6,060	4,770	-154	389
16	5,447	5,447	7,432	7,432	4,466	-38	395
17	5,995	5,995	5,593	5,593	3,222	-51	381
18	6,196	6,196	6,589	6,589	3,228	-53	382
19	6,038	6,038	11,334	11,334	3,051	-71	385
20	5,669	5,669	0	0	4,501	-74	379
21	6,320	6,320	5,713	5,713	5,018	-93	340
22	5,160	5,160	6,020	6,020	3,225	-88	385
23	5,797	5,797	6,012	6,012	2,869	-31	375
24	5,458	5,458	5,569	5,569	1,616	-15	322
25	4,729	4,729	4,555	4,555	1,616	-16	321
26	5,738	5,000	5,960	5,960	1,622	-12	352
27	6,073	5,355	0	0	1,622	-5	350
28	9,239	8,525	8,469	8,469	1,802	-18	323
29	4,597	3,944	3,426	3,426	1,622	-17	334
30	4,908	4,192	5,531	5,531	2,703	-52	288
31	5,724	4,934	5,637	6,486	6,486	-152	275
Total	189,889	185,560	157,098	157,947	103,442	-1,203	11,383

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations

October 2001

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Sep 30	323.77	18,731					
1	323.75	18,722	-9	0	0	0	-9
2	323.74	18,717	-5	0	0	0	-5
3	323.72	18,708	-9	0	0	0	-9
4	323.68	18,690	-18	0	0	0	-18
5	323.65	18,677	-13	0	0	0	-13
6	323.63	18,668	-9	0	0	0	-9
7	323.62	18,664	-4	0	0	0	-4
8	323.61	18,659	-5	0	0	0	-5
9	323.60	18,655	-4	0	0	0	-4
10	323.57	18,642	-13	0	0	0	-13
11	323.56	18,637	-5	0	0	0	-5
12	323.54	18,628	-9	0	0	0	-9
13	323.53	18,624	-4	0	0	0	-4
14	323.52	18,619	-5	0	0	0	-5
15	323.51	18,615	-4	0	0	0	-4
16	323.50	18,610	-5	0	0	0	-5
17	323.47	18,597	-13	0	0	0	-13
18	323.46	18,593	-4	0	0	0	-4
19	323.46	18,593	0	0	0	0	0
20	323.45	18,588	-5	0	0	0	-5
21	323.42	18,575	-13	0	0	0	-13
22	323.41	18,570	-5	0	0	0	-5
23	323.40	18,566	-4	0	0	0	-4
24	323.39	18,562	-4	0	0	0	-4
25	323.37	18,553	-9	0	0	0	-9
26	323.36	18,548	-5	0	0	0	-5
27	323.35	18,544	-4	0	0	0	-4
28	323.34	18,539	-5	0	0	0	-5
29	323.34	18,539	0	0	0	0	0
30	323.33	18,535	-4	0	0	0	-4
31	323.33	18,535	0	0	0	0	0
Total			-196	0	0	0	-196
Mean cfs			---	0	0	0	---
Acre-feet			-196	0	0	0	-196

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

October 2001

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 5,580 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft) 1/	Storage Change (ac-ft) 1/	Estimated Inflow (cfs) 1/	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft) 1/
					Spill	Outlet	
Sep 30	601.00	736			0	0	
1	Not Observed				0	0	
2	Not Observed				0	0	
3	Not Observed				0	0	
4	Not Observed				0	0	
5	Not Observed				0	0	
6	601.00	736	0		0	0	
7	Not Observed				0	0	
8	Not Observed				0	0	
9	Not Observed				0	0	
10	Not Observed				0	0	
11	Not Observed				0	0	
12	Not Observed				0	0	
13	Not Observed				0	0	
14	Not Observed				0	0	
15	Not Observed				0	0	
16	Not Observed				0	0	
17	Not Observed				0	0	
18	Not Observed				0	0	
19	601.20	747	11	6	0	0	
20	Not Observed				0	0	
21	Not Observed				0	0	
22	Not Observed				0	0	
23	Not Observed				0	0	
24	Not Observed				0	0	
25	Not Observed				0	0	
26	601.20	747	0		0	0	
27	Not Observed				0	0	
28	Not Observed				0	0	
29	Not Observed				0	0	
30	601.45	761	14	7	0	0	
31	601.50	763	2	1	0	0	
Total			27	14	0	0	---
Mean cfs			---	5	0	0	---
Acre-feet			27	28	0	0	-1

1/ Not available on a daily basis

Table 19a. Governor Edmund G. Brown California Aqueduct
 San Luis Field Division, Monthly Deliveries

(In acre-feet)

October 2001

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries				
	Beginning and Ending		USBR			Transfer	DWR Recreation	USBR Recreation		
	No.	Structure	Mile							
2B	12	Check No. 12	66.71		35,606					
3	13	O'Neill Forebay and San Luis Reservoir Outlet Check No. 13	70.85	Department of Parks and Recreation	0			0	0	
				Department of Fish & Game	237			130	107	
		Thru	70.91	San Luis Water District	423	423				
			85.08	(Floodwater Inflow)	0					
				Reach 3 Subtotal:	660	423	0	130	107	
		Dos Amigos Pumping Plant	86.73		189,889					
4	14	Thru	89.03	San Luis Water District	2,297	2,297				
			94.06							
			89.66	Pacheco Water District	382	382				
			89.67							
			89.68	Panoche Water District	49	49				
		Check No. 14	89.70	City of Dos Palos	133	133				
			95.06							
			98.15	San Luis Water District	166	166				
			Thru 104.20							
			96.15	Panoche Water District	695	695				
	15	Thru	102.64	(Floodwater Inflow)	0					
			102.64	Broadview Water District	2	2				
			105.22	Westlands Water District	2,647	2,647				
		Check No.15	Thru 108.64							
			108.50							
				Pacheco Water District Total:	382	382	0	0	0	
				Broadview Water District Total:	2	2	0	0	0	
				City of Dos Palos Total:	133	133	0	0	0	
				SLWD Reach 4 Subtotal:	2,463	2,463	0	0	0	
				Panoche Water District Total:	744	744	0	0	0	
				SLWD Total:	2,886	2,886	0	0	0	
				Westlands WD Reach 4 Subtotal:	2,647	2,647	0	0	0	

Table 19b. Governor Edmund G. Brown California Aqueduct
 San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

October 2001

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending		Structure			USBR	Transfer	DWR Recreation	USBR Recreation				
	No.	Structure	Mile										
5	16		110.52	(Reverse flow, Kings River)	0	4,997		1					
			Thru	Westlands Water District	4,997								
			122.05	Department of Fish and Game	1								
		Check No. 16	122.07										
	17		124.18	Westlands Water District	1,629	1,629							
			Thru										
		Check No. 17	132.95										
	18		133.81	Westlands Water District	3,799	3,799							
			Thru										
			142.61										
		Pleasant Valley Pumping Plant	143.16	Westlands Water District	5,697								
			143.16	City of Coalinga	484								
		Check No. 18	143.23										
				Westlands WD Reach 5 Subtotal:	16,122	16,122	0	0	0				
6	19		145.26	Westlands Water District	4,589	4,589							
			Thru										
			151.19										
		Check No. 19	155.64										
				Westlands WD Reach 6 Subtotal:	4,589	4,589	0	0	0				
7	20		156.34	City of Huron	109	109							
			156.40	Westlands Water District	2,128								
			Thru										
			163.69										
		Check No. 20	164.69										
	21		164.79	City of Avenal	256	256							
			167.04	Westlands Water District	654								
			Thru										
			171.67										
		Check No. 21	172.40		161,853								
				Reach 7 Total:	3,147	3,147	0	0	0				
				Westlands WD Total:	26,140	26,140	0	0	0				
				City of Coalinga Total:	484	484	0	0	0				
				City of Huron Total:	109	109	0	0	0				
				City of Avenal Total:	256	256	0	0	0				
				Phase I Water Total:	12	12	0	0	0				
				Total San Luis Field Division Deliveries:	31,386	31,148	0	131	107				

Table 20. Consolidated State-Federal San Luis Canal 1/

Daily Operations
October 2001

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non- Project 2/	Dos Amigos Pumping Plant	Pools 14 & 15 3/	Pool 15	Pools 15 thru 21 4/	Flow Past Check 21	
Sep 30	27,455								
1	27,814	359	0	3,035	69	16	535	2,462	228
2	27,875	61	0	3,068	67	16	528	2,514	88
3	28,595	720	0	3,819	67	16	530	2,845	2
4	28,500	-95	0	3,171	61	12	572	2,514	-60
5	28,672	172	0	3,295	62	12	576	2,560	2
6	27,894	-778	0	3,241	62	15	579	3,087	110
7	27,685	-209	0	3,477	57	10	559	3,130	174
8	27,763	78	0	2,639	58	11	561	2,175	205
9	27,532	-231	0	2,936	59	11	458	2,619	94
10	28,125	593	0	3,475	60	12	462	2,732	90
11	28,445	320	0	3,455	52	10	431	2,680	-121
12	28,992	547	0	3,532	53	10	463	2,715	-15
13	28,489	-503	0	2,619	52	12	463	2,502	156
14	28,644	155	0	4,273	52	13	430	3,862	163
15	28,741	97	0	2,770	50	12	424	2,270	35
16	28,445	-296	0	2,746	48	11	405	2,435	4
17	28,329	-116	0	3,022	51	10	400	2,655	36
18	28,398	69	0	3,124	50	13	422	2,568	-37
19	28,372	-26	0	3,044	51	13	434	2,582	23
20	27,999	-373	0	2,858	44	12	468	2,642	120
21	28,435	436	0	3,186	42	13	446	2,618	152
22	28,678	243	0	2,601	44	11	410	2,126	113
23	29,139	461	0	2,923	37	12	468	2,260	86
24	29,306	167	0	2,752	38	10	421	2,248	49
25	28,233	-1,073	0	2,384	30	14	401	2,541	62
26	28,182	-51	0	2,893	33	12	403	2,441	-30
27	28,478	296	0	3,062	34	14	314	2,586	35
5/ 28	28,310	-168	0	4,658	29	13	295	4,375	-27
29	28,683	373	0	2,318	33	12	292	2,187	394
30	28,686	3	0	2,474	28	9	231	2,268	64
31	29,177	491	0	2,886	28	8	233	2,400	31
Total		1,722	0	95,736	1,501	375	13,614	81,600	2,226
Mean cfs		---	0	3,088	48	12	439	2,632	72
Acre-feet		1,722	0	189,889	2,978	744	27,004	161,853	4,412

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Pump In of Non-Project Water (0 AF @ Lat.7L) and Flood Water (0 AF) is included in the gain or loss.

3/ Includes 381 AF AG & 1 AF M&I to Pacheco W.D. and 133 AF to the City of Dos Palos.

4/ Includes 109 AF to the City of Huron, 256 AF to the City of Avenal, 484 AF to the City of Coalinga, 12 AF Phase I Water in Pool 16 @ 7R, and 1 AF to F&G @ WWD Lateral 4L.

5/ 25 hour day; the factor for converting CFS/AF is 2.0661.

Table 21. San Joaquin Field Division Plant Data

October 2001

(in acre-feet)

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	212	212	94	88	93	3,878	3,794	3,651	3,550
2	211	211	98	91	97	3,853	3,857	3,843	3,663
3	230	230	104	97	100	4,419	4,239	4,082	3,951
4	230	230	118	112	112	3,927	4,059	4,041	3,870
5	207	207	119	113	113	4,452	4,311	4,270	4,128
6	250	250	111	102	105	4,938	4,743	4,650	4,555
7	184	184	98	92	96	4,989	5,211	5,135	5,157
8	184	184	99	94	98	3,770	3,921	3,832	3,663
9	231	231	115	109	111	4,066	3,999	3,884	3,835
10	206	206	122	110	117	4,576	4,741	4,630	4,346
11	197	197	115	108	112	4,012	4,116	3,970	3,932
12	120	120	103	96	100	4,500	4,467	4,165	4,029
13	97	97	83	76	83	4,380	4,343	4,228	4,184
14	112	112	103	96	102	7,374	7,657	7,493	7,359
15	113	113	67	64	55	3,660	4,067	3,989	3,771
16	52	52	4	2	4	4,421	4,514	4,331	4,203
17	77	77	1	1	1	4,710	4,811	4,675	4,421
18	73	73	0	0	0	4,781	4,663	4,501	4,362
19	65	65	0	0	0	4,204	4,272	4,136	4,030
20	106	106	0	0	0	4,199	4,134	4,083	4,038
21	23	23	0	0	0	5,192	5,423	5,307	5,176
22	25	25	0	0	0	3,793	3,603	3,482	3,486
23	89	89	0	0	0	3,648	3,804	3,697	3,572
24	70	70	0	0	0	4,015	4,190	4,136	4,019
25	48	48	0	0	0	4,336	4,203	4,078	3,949
26	67	67	15	15	14	4,198	4,151	4,044	3,975
27	97	97	23	22	25	4,278	4,339	4,327	4,227
28	60	60	0	0	0	8,031	8,268	8,195	8,057
29	26	26	0	0	0	3,773	3,863	3,831	3,733
30	55	55	0	0	0	3,940	3,975	3,898	3,835
31	49	49	0	0	0	3,963	3,895	3,828	3,725
Total	3,766	3,766	1,592	1,488	1,538	138,276	139,633	136,412	132,801

Table 22a. Governor Edmund G. Brown California Aqueduct
San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

October 2001

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries						
	Beginning and Ending					Entitle-ment	USBR	Return of Contractor Pump-in	Dry Year Purchase	MWD Ent.		
	No.	Structure	Mile									
7	21	Check No. 21	172.40		161,853							
8C	22		172.66	Empire West Side Irrig. Dist. TL - A	0	1,234 77 43 239 1,047						
				County of Kings TL - A	0							
				TLBWSD TL-A	1,234							
8D			175.18	DRWD - 1	77							
			177.54	DRWD - 1B	43							
			180.64	TLBWSD - C	0							
			180.65	DRWD - 1A	239							
			182.99	DRWD - 2	1,047							
31A			183.00	Tulare Lake Basin WSD TL - B	0	413						
			184.63	Coastal Branch	3,766							
8D			184.78	Dudley Ridge Water Dist. DRWD - 3	413	1,819 1,234	0 0	0 0	0 0	0 0		
				Dudley Ridge Reach 8D Total:	1,819							
				Tulare Lake Basin WSD Total:	1,234							
		Check No. 22	184.82									
9	23		189.69	Kern County Water Agency Lost Hills Water Dist. - 1	878	280 172 10 24			598			
			191.18	Kern County Water Agency Lost Hills Water Dist. - 2	172							
			194.22	Kern County Water Agency Lost Hills Water Dist. - 3	10							
			196.40	Kern County Water Agency Berrenda Mesa - 2	0							
			196.75	Kern County Water Agency Lost Hills Water Dist. - 4	24							
				K.C.W.A. Reach 9 Subtotal:	1,084							
			Check No. 23	197.05								
10A	24		201.24	Kern County Water Agency Lost Hills Water Dist. - 7	196	196 160			29			
			202.05	Kern County Water Agency Lost Hills Water Dist. - 5	160							
			204.69	Kern County Water Agency Lost Hills Water Dist. - 6	0							
			205.26	Kern County Water Agency Lost Hills Water Dist. - 8	0							
			Check No. 24	207.94								
10A	25		209.71	Kern County Water Agency Belridge Water Storage Dist. - 1A	1,069	1,040 4,973			29			
			209.78	Kern National Wildlife Refuge USBR BV-1B	4,973							
				Kern County Water Agency Buena Vista WSD 1B	0							
			209.80	KCWA Semitropic WSD	0							
				KCWA Semitropic WSD Penstocks	0							
				USBR Total:	4,973							
				K.C.W.A. Reach 10A Subtotal:	1,425	1,396	0	0	29	0		

Table 22b. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

October 2001

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Entitle-ment	Return of Contractor Pump-in	Purchase Pool A	Purchase Pool B	MWD Ent.		
	No.	Structure	Mile									
11B	25	210.75	Kern County Water Agency Belridge - 2	0	3,064	3,064	27					
			Kern County Water Agency Belridge - 3	0								
			Kern County Water Agency Belridge - 4	0								
			Kern County Water Agency Belridge - 5	3,064								
			Kern County Water Agency Belridge - 5D	27								
		Check No. 25	217.79									
			K.C.W.A. Reach 11B Subtotal:	3,091	3,091	0	0	0	0	0		
12D	26	219.58	Kern County Water Agency Belridge - 6	0	13	13						
			Kern County Water Agency West Kern - 2	13								
	Check No. 26	224.92										
12D	27	230.37	Kern County Water Agency Buena Vista - 6	0								
			Check No. 27	231.73								
	28	235.75	Kern County Water Agency Buena Vista - 2	0								
			Kern County WA CVC	0								
			DRWD CVC	0								
			Tulare Co.	0								
			Lower Tule River	0								
			Fresno Co.	0								
			Pixley ID	0								
			Hacienda DWR Wells	0								
	Check No. 28	238.11										
			1/ Arvin Edison Total:	0	0	0	0	0	0	0		
			Reach 12E Subtotal:	13	13	0	0	0	0	0		
13B	29	238.19	Kern Water Bank Inflow	0	1,999	36						
			Kern Water Bank Outflow	2,035								
		241.02	Kern River Intertie (inflow)	0								
		242.85	KCWA Buena Vista WSD - 7	0								
		243.09	KCWA Buena Vista WSD - 5	0								
		Check No. 29	Kern County Water Agency Buena Vista - 3	0								
		244.54	Buena Vista WSD	0								
	30	249.85	Kern County Water Agency Buena Vista - 4	0								
		250.99		138,276								
			K.C.W.A. Reach 13B Subtotal:	2,035	1,999	36	0	0	0	0		
14A	31	254.47	Kern County Water Agency West Kern - 2	0								
		256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	0								

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

Table 22c. Governor Edmund G. Brown California Aqueduct
San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

October 2001

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Entitle-ment	Inter-ruptible Ent.	MWD Ent.	Exchange	MWD Ent.		
	No.	Structure	Mile									
14A	31	Check No. 31	256.14			34						
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3	34							
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4	235	235						
		Check No. 32	261.72									
				KCWA Reach 14A Subtotal:	269	269	0	0	0	0		
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	1,082	1,082						
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	368		368					
	Check No. 33		267.36									
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	817	817						
		Check No. 34	271.27									
				Reach 14B Total:	2,267	2,267	0	0	0	0		
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	724	724						
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	262		262					
				Reach 14C Total:	986	986	0	0	0	0		
15A	Teerink Pumping Plant		278.13		139,633							
	36		279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	198	198						
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10	2,148		2,148					
				Reach 15-A Total:	2,346	2,346	0	0	0	0		
16A	Chrisman Pumping Plant		280.36		136,412							
	37		282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11	0							
		Check No. 37	283.95									
	38		285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12	13	13						
			286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A	69		69					
			287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13	0							
	Check No. 38		287.09									
	39		287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	110	110						
		Check No. 39	290.21									
	40		291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	492	492						
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	0							
				Kern County Water Agency Tehachapi Cummings CWD	768		768					
				K.C.W.A. Reach 16A Subtotal:	1,452	1,452	0	0	0	0		
17E	Edmonston Pumping Plant		293.45		132,801							

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

October 2001

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
		Beginning and Ending				Entitle-ment	Return of Contractor Pump-in	Purchase Pool A	Dry Year Purchase	Purchase Pool B		
	No.	Structure	Mile									
31A	C-1	Coastal Branch Control	0.02		3,766	1	126	2,408	0	0		
		Las Perillas Pumping Plant	1.16		3,766							
	C-2		3.79	Green Valley Water District	0							
		Badger Hill Pumping Plant	4.27		3,766							
	C-3	Coastal Check No. 3	7.21									
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	1							
		Coastal Check No. 4	9.34									
	C-5	Coastal Check No. 5	12.20									
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	126							
			14.83	Kern County Water Agency Berrenda Mesa - DD	0							
				Kern County Water Agency Berrenda Mesa - PO	2,282							
		Devil's Den Pumping Plant	14.86		1,592							
				K.C.W.A. Reach 31A Subtotal:	2,408	2,408	0	0	0	0		
				K.C.W.A. Total:	17,376	16,713	36	0	627	0		
33A	C-7	Bluestone Pumping Plant	19.05		1,488	987	116	180	99			
	C-8	Polonio Pass Pumping Plant	26.54		1,538							
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant								
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	1,283							
		Tank Site 2	58.63	Central Coast:	0							
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	269	170	116	180	99			
		Energy Dissipater	78.12									
35	C-12	Lopez T.O.	85.86	SLOCFC & WCD	0	1,157	0	116	0	279		
		Guadalupe T.O.	102.70	SBCFC & WCD	0							
		Santa Maria T.O.	107.43	SBCFC & WCD	0							
		So. Cal. Water T.O.	109.20	SBCFC & WCD	0							
				SBCFC & WCD Total:	0							
38		Tank Site 5	115.42									

Table 24. Southern Field Division Plant Data

(in acre-feet)

October 2001

Date	West Branch					East Branch								Devil Canyon Powerplant Generation
	Oso Pumping Plant	Warne Powerplant		Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant				
		Generation	Leakage	Generation	Pumpback	Generation	Bypass Through Plant	Cottonwood Chute		Generation	Leakage	Bypass Flume		
28	1	1,422	1,831	0	7,487	3,007	1,516	0	626	1,790	2,017	0	0	1,813
	2	1,759	2,045	0	6,960	3,958	1,821	0	48	1,519	1,532	0	0	2,058
	3	1,759	1,724	0	5,479	2,286	2,074	0	79	1,835	1,816	0	0	1,809
	4	1,847	1,864	0	4,983	3,574	1,996	0	66	1,571	2,118	0	0	2,054
	5	1,930	1,891	0	3,008	2,863	2,021	0	76	1,710	1,556	0	0	2,315
	6	2,487	2,277	0	3,161	4,695	2,174	0	48	1,880	2,121	0	0	1,999
	7	1,156	0	0	3,651	5,926	3,581	0	350	3,462	3,334	0	0	2,031
	8	1,304	1,966	0	6,378	3,565	2,097	0	155	1,875	2,231	0	0	2,281
	9	1,658	1,853	0	5,204	937	2,130	0	57	1,925	1,674	0	0	2,074
	10	2,145	2,174	0	6,624	2,130	2,111	0	63	1,655	1,784	0	0	2,363
	11	1,985	1,962	0	1,618	2,781	1,915	0	63	1,807	1,986	0	0	1,984
	12	1,882	2,006	0	1,473	616	2,083	0	65	1,877	1,850	0	0	1,861
	13	2,146	2,109	0	1,236	1,163	1,970	0	94	1,772	1,956	0	0	1,896
	14	2,877	2,271	0	1,664	1,259	3,606	0	750	3,820	3,764	0	0	1,745
	15	1,690	2,363	0	6,221	443	1,874	0	146	1,776	2,062	0	0	1,856
	16	2,455	2,024	0	4,563	1,086	1,819	0	0	1,639	1,520	0	0	1,828
	17	2,253	2,605	0	6,153	1,852	2,126	0	64	1,888	1,775	0	0	2,068
	18	2,236	2,224	0	4,528	373	2,085	0	64	1,779	1,941	0	0	1,891
	19	1,927	2,238	0	4,650	4,552	2,065	0	57	1,846	2,052	0	0	1,855
	20	2,150	1,934	0	924	1,729	1,837	0	64	1,613	1,780	0	0	1,857
	21	2,887	2,328	0	1,129	3,726	2,418	0	0	1,899	1,801	0	0	2,100
	22	1,583	2,147	0	4,993	1,355	1,576	0	262	1,388	1,345	0	0	2,020
	23	1,854	2,408	0	5,325	663	1,640	0	31	1,458	1,577	0	0	2,160
	24	2,028	2,331	0	5,503	803	1,910	0	73	1,787	1,748	0	0	1,961
	25	2,097	2,165	0	5,085	430	1,769	0	42	1,598	1,861	0	0	2,269
	26	1,812	2,295	0	7,017	0	2,204	0	0	1,738	1,492	0	0	1,944
	27	1,940	2,260	0	36	1,603	3,732	0	0	1,914	1,890	0	0	2,116
	28	3,998	2,345	0	126	2,014	2,076	0	0	4,060	3,765	0	0	1,686
	29	2,079	2,182	0	5,217	2,213	1,612	0	64	1,228	1,597	0	0	1,231
	30	2,168	2,186	0	2,922	758	1,487	0	168	1,440	1,562	0	0	964
	31	2,079	2,206	0	2,716	1,830	1,417	0	202	1,358	1,330	0	0	1,045
	Total	63,593	64,214	0	126,034	64,190	64,742	0	3,777	58,907	60,837	0	0	59,134

Table 25. Pyramid Lake
Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

October 2001

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow			Computed Losses (-) And Gains (+)
				Project		Natural	Project		Natural	
				Castaic Powerplant Pumpback	Warne Powerplant	Stream Flow	Castaic Powerplant Generation	Recreation Deliveries	To Piru Creek	
Sep 30	2571.78	161,995								
1	2569.64	159,332	-2,663	3,007	1,831	17	7,487	0	18	-13
2	2568.50	157,925	-1,407	3,958	2,045	15	6,960	0	18	-447
3	2567.25	156,391	-1,534	2,286	1,724	15	5,479	0	18	-62
4	2567.57	156,783	392	3,574	1,864	16	4,983	0	16	-63
5	2568.94	158,467	1,684	2,863	1,891	17	3,008	0	16	-63
6	2571.99	162,258	3,791	4,695	2,277	18	3,161	0	14	-24
7	2573.72	164,434	2,176	5,926	0	18	3,651	1	12	-104
8	2572.88	163,375	-1,059	3,565	1,966	18	6,378	0	12	-218
9	2570.85	160,834	-2,541	937	1,853	17	5,204	0	12	-132
10	2568.75	158,233	-2,601	2,130	2,174	17	6,624	0	12	-286
11	2571.32	161,420	3,187	2,781	1,962	17	1,618	0	12	57
12	2572.10	162,396	976	616	2,006	17	1,473	0	12	-178
13	2573.63	164,321	1,925	1,163	2,109	17	1,236	0	12	-116
14	2575.03	166,095	1,774	1,259	2,271	16	1,664	0	12	-96
15	2572.30	162,647	-3,448	443	2,363	16	6,221	0	12	-37
16	2571.16	161,221	-1,426	1,086	2,024	17	4,563	1	12	23
17	2569.70	159,406	-1,815	1,852	2,605	17	6,153	0	12	-124
18	2568.06	157,384	-2,022	373	2,224	17	4,528	0	12	-96
19	2569.80	159,530	2,146	4,552	2,238	17	4,650	0	12	1
20	2571.97	162,233	2,703	1,729	1,934	17	924	0	12	-41
21	2575.77	167,038	4,805	3,726	2,328	17	1,129	0	12	-125
22	2574.53	165,460	-1,578	1,355	2,147	17	4,993	0	12	-92
23	2572.66	163,099	-2,361	663	2,408	17	5,325	0	12	-112
24	2570.68	160,623	-2,476	803	2,331	17	5,503	0	13	-111
25	2568.62	158,073	-2,550	430	2,165	18	5,085	0	13	-65
26	2564.64	153,220	-4,853	0	2,295	18	7,017	0	13	-136
27	2567.78	157,040	3,820	1,603	2,260	18	36	0	13	-12
28	2571.12	161,171	4,131	2,014	2,345	19	126	0	13	-108
29	2570.41	160,287	-884	2,213	2,182	21	5,217	0	13	-70
30	2570.43	160,312	25	758	2,186	21	2,922	0	13	-5
31	2571.50	161,645	1,333	1,830	2,206	21	2,716	0	13	5
Total			-350	64,190	64,214	540	126,034	2	408	-2,850

Table 26. Elderberry Forebay

Daily Operation

(in acre-feet except as noted)

Capacity: 32,746 ac-ft

October 2001

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				Castaic Powerplant Generation	Natural	Castaic Powerplant Pumpback	To Castaic Lake			
							Natural	Project		
Sep 30	1511.93	19,934								
1	1522.55	24,339	4,405	7,487	0	3,007	0	0	-75	
2	1525.29	25,544	1,205	6,960	0	3,958	0	1,796	-1	
3	1532.08	28,652	3,108	5,479	0	2,286	0	0	-85	
4	1526.27	25,982	-2,670	4,983	0	3,574	0	4,078	-1	
5	1526.60	26,130	148	3,008	0	2,863	0	0	3	
6	1515.87	21,515	-4,615	3,161	0	4,695	0	3,083	2	
7	1510.25	19,281	-2,234	3,651	0	5,926	0	0	41	
8	1517.50	22,188	2,907	6,378	0	3,565	0	0	94	
9	1527.21	26,405	4,217	5,204	0	937	0	0	-50	
10	1529.08	27,257	852	6,624	0	2,130	0	3,642	0	
11	1518.03	22,409	-4,848	1,618	0	2,781	0	3,687	2	
12	1519.99	23,236	827	1,473	0	616	0	0	-30	
13	1509.67	19,057	-4,179	1,236	0	1,163	0	4,251	-1	
14	1510.68	19,447	390	1,664	0	1,259	0	0	-15	
15	1517.95	22,375	2,928	6,221	0	443	0	2,852	2	
16	1518.66	22,673	298	4,563	0	1,086	0	3,177	-2	
17	1521.61	23,931	1,258	6,153	0	1,852	0	3,043	0	
18	1530.67	27,992	4,061	4,528	0	373	0	0	-94	
19	1524.13	25,031	-2,961	4,650	0	4,552	0	3,061	2	
20	1514.28	20,869	-4,162	924	0	1,729	0	3,356	-1	
21	1507.77	18,336	-2,533	1,129	0	3,726	0	0	64	
22	1516.89	21,934	3,598	4,993	0	1,355	0	0	-40	
23	1518.91	22,778	844	5,325	0	663	0	3,818	0	
24	1518.44	22,581	-197	5,503	0	803	0	4,898	1	
25	1528.74	27,101	4,520	5,085	0	430	0	0	-135	
26	1536.25	30,642	3,541	7,017	0	0	0	3,476	0	
27	1525.93	25,829	-4,813	36	0	1,603	0	3,247	1	
28	1521.59	23,923	-1,906	126	0	2,014	0	0	-18	
29	1528.05	26,786	2,863	5,217	0	2,213	0	0	-141	
30	1523.86	24,912	-1,874	2,922	0	758	0	4,038	0	
31	1517.47	22,175	-2,737	2,716		1,830	0	3,621	-2	
Total				2,241	126,034	0	64,190	0	59,124	
									-479	

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

October 2001

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow		Computed Losses (-) And Gains (+)	
				From Elderberry Forebay		Natural	Deliveries		
				Natural	Project				
Sep 30	1498.01	287,024							
1	1497.05	285,029	-1,995	0	0	0	1,874	0	
2	1496.84	284,594	-435	0	1,796	0	2,573	0	
3	1495.62	282,073	-2,521	0	0	0	2,538	0	
4	1496.34	283,559	1,486	0	4,078	0	2,551	0	
5	1495.06	280,920	-2,639	0	0	0	2,653	0	
6	1495.43	281,681	761	0	3,083	0	2,394	0	
7	1494.29	279,339	-2,342	0	0	0	2,334	0	
8	1493.15	277,009	-2,330	0	0	0	2,447	0	
9	1491.94	274,548	-2,461	0	0	0	2,516	0	
10	1492.61	275,909	1,361	0	3,642	0	2,431	0	
11	1493.24	277,192	1,283	0	3,687	0	2,419	0	
12	1492.07	274,812	-2,380	0	0	0	2,439	0	
13	1493.03	276,764	1,952	0	4,251	0	2,298	0	
14	1491.92	274,507	-2,257	0	0	0	2,289	0	
15	1492.23	275,136	629	0	2,852	0	2,195	0	
16	1492.74	276,173	1,037	0	3,177	0	2,053	0	
17	1493.10	276,907	734	0	3,043	0	2,145	0	
18	1492.02	274,710	-2,197	0	0	0	2,244	0	
19	1492.38	275,441	731	0	3,061	0	2,369	0	
20	1492.86	276,418	977	0	3,356	0	2,339	0	
21	1491.75	274,163	-2,255	0	0	0	2,244	0	
22	1490.66	271,959	-2,204	0	0	0	2,281	0	
23	1491.35	273,353	1,394	0	3,818	0	2,235	0	
24	1492.58	275,848	2,495	0	4,898	0	2,324	0	
25	1491.41	273,474	-2,374	0	0	0	2,389	0	
26	1491.89	274,446	972	0	3,476	0	2,377	0	
27	1492.40	275,482	1,036	0	3,247	0	2,282	0	
28	1491.26	273,171	-2,311	0	0	0	2,289	0	
29	1490.16	270,951	-2,220	0	0	0	2,512	0	
30	1491.24	273,130	2,179	0	4,038	0	1,885	0	
31	1492.24	275,157	2,027	0	3,621	0	1,580	0	
Total		-11,867		0	59,124	0	71,499	0	
								508	

Table 28. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

October 2001

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Entitlement	Rec.	State Water Bank Recovery	Flexible Pay Back Entitlement	Local		
	No.	Structure	Mile									
29A	42	Oso Pumping Plant	1.49		63,593							
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved		2					
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub							
29G		Warne Power Plant	14.07		64,214							
29H	W3	Pyramid Lake		Calif. State Park Pyramid Recreation	2		30					
		Pyramid Dam	17.10	Piru Creek Fish Enhancement	0							
		Castaic Power Plant	25.82	(64,190 AF pumpback)	126,034							
29J	W4	Elderberry Forebay					10,000					
		Forebay Dam	28.12									
		Castaic Lake		Calif. State Park Castaic Lake Recreation	30							
30 1/	W5	Castaic Dam	31.47				4,893 47,046 1,513 2,063 154		5,800			
		Castaic Lake Outlet	31.55	MWD - 78"	14,893							
				MWD - 132"	52,846							
				Castaic Lake WA - T1	1,513							
				Castaic Lake WA	2,063							
				United Water Conservation Dist.	0							
				MWD - Ventura County FCD	154							
				LA Co. Parks & Recreation	0							
				Releases to Lagoon	0							
				Reach 30 Subtotal:	71,499	55,669	30	0	10,000	5,800		
	W6	Castaic Lagoon		Recreation to Lagoon	0							
		Castaic Lagoon Outlet	31.87									

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

Table 29. Silverwood Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

October 2001

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow				Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/	
							Delivered to CLAWA	Rec.	San Bernardino Tunnel	Del. To Mojave W.A.			
Sep 30	3351.48	71,577											
1	3351.81	71,892	315	2,017	0	0	6	0	1,813	0	0	117	
2	3351.28	71,387	-505	1,532	0	0	5	0	2,058	0	1	27	
3	3351.15	71,264	-123	1,816	0	0	6	0	1,809	0	0	-124	
4	3351.02	71,140	-124	2,118	0	0	7	1	2,054	0	1	-179	
5	3350.18	70,346	-794	1,556	0	0	7	0	2,315	0	0	-28	
6	3350.11	70,280	-66	2,121	0	0	5	0	1,999	0	1	-182	
7	3351.32	71,425	1,145	3,334	0	0	6	0	2,031	0	0	-152	
8	3351.37	71,473	48	2,231	0	0	5	1	2,281	0	1	105	
9	3350.90	71,026	-447	1,674	0	0	6	0	2,074	0	0	-41	
10	3350.20	70,365	-661	1,784	0	0	6	0	2,363	0	1	-75	
11	3350.20	70,365	0	1,986	0	0	6	0	1,984	0	0	4	
12	3350.20	70,365	0	1,850	0	0	5	1	1,861	0	1	18	
13	3350.40	70,554	189	1,956	0	0	6	0	1,896	0	1	136	
14	3352.42	72,475	1,921	3,764	0	0	6	0	1,745	0	0	-92	
15	3352.51	72,561	86	2,062	0	0	5	1	1,856	0	0	-114	
16	3352.34	72,398	-163	1,520	0	0	5	0	1,828	0	0	150	
17	3352.03	72,102	-296	1,775	0	0	6	0	2,068	0	1	4	
18	3352.04	72,111	9	1,941	0	0	5	0	1,891	0	0	-36	
19	3352.18	72,245	134	2,052	0	0	5	1	1,855	0	0	-57	
20	3352.14	72,207	-38	1,780	0	0	6	0	1,857	0	1	46	
21	3351.75	71,834	-373	1,801	0	0	6	0	2,100	0	0	-68	
22	3351.13	71,245	-589	1,345	0	0	5	1	2,020	0	0	92	
23	3350.48	70,629	-616	1,577	0	0	0	0	2,160	0	0	-33	
24	3350.10	70,271	-358	1,748	0	0	8	0	1,961	0	1	-136	
25	3349.86	70,045	-226	1,861	0	0	4	1	2,269	0	0	187	
26	3349.34	69,557	-488	1,492	0	0	4	0	0	0	0	-1,976	
27	3349.09	69,323	-234	1,890	0	0	4	0	2,116	0	0	-4	
28	3351.26	71,368	2,045	3,765	0	0	0	0	3,630	0	1	1,911	
29	3351.59	71,682	314	1,597	0	0	8	1	1,231	0	0	-43	
30	3352.25	72,312	630	1,562	0	0	6	0	964	0	0	38	
31	3352.44	72,494	182	1,330	0	0	8	0	1,045	0	1	-94	
Total				917	60,837	0	0	167	8	59,134	0	12	-599
1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.												86	

Table 30. Lake Perris

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

October 2001

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Sep 30	1585.88	122,016				
1	1585.90	122,061	45		10	
2	1585.97	122,220	159		10	
3	1586.00	122,287	67		11	
4	1586.02	122,333	46		11	
5	1586.05	122,400	67		11	
6	1586.08	122,468	68		10	
7	1586.15	122,627	159		12	
8	1586.17	122,672	45		10	
9	1586.16	122,649	-23		10	
10	1586.24	122,830	181		12	
11	1586.32	123,011	181		11	
12	1586.28	122,921	-90		9	
13	1586.29	122,944	23		10	
14	1586.24	122,830	-114		10	
15	1586.24	122,830	0		10	
16	1586.20	122,740	-90		12	
17	1586.19	122,717	-23		9	
18	1586.19	122,717	0		11	
19	1586.16	122,649	-68		11	
20	1586.16	122,649	0		9	
21	1586.15	122,627	-22		11	
22	1586.14	122,604	-23		10	
23	1586.13	122,581	-23		12	
24	1586.16	122,649	68		11	
25	1586.15	122,627	-22		12	
26	1586.11	122,536	-91		12	
27	1586.14	122,604	68		11	
28	1586.13	122,581	-23		12	
29	1586.08	122,468	-113		12	
30	1586.05	122,400	-68		12	
31	1586.17	122,672	272		12	
Total			656	2,647	336	-1,655

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at lake Perris.

Table 31a. Governor Edmund G. Brown California Aqueduct
 Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

October 2001

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Entitle-ment	Rec.	State Water Bank Recovery	Dry Year Purchase			
	No.	Structure	Mile						Dry Year Purchase	Local		
17E	40	Edmonston Pumping Plant	293.45		132,801							
	41		298.65		Kern County Water Agency Tej.-Cas		Stub					
17F		Check No. 41	303.41									
18A	42	Check No. 42	304.99									
19	43	Alamo Powerplant	305.73	(Does not include 3,777 AF flow down Cottonwood Chute)	64,742	1/ 99	12	1,607	0			
			308.05	Antelope Valley-East Kern WA	0							
		Check No. 43	309.70									
	44		311.84	LADWP Connection	0							
			313.50	AVEK 245th Street West	0							
	Check No. 44		314.81									
	45		314.93	AVEK 235th Street West	12							
			315.57	AVEK 225th Street West	0							
	Check No. 45		319.74									
	46		323.19	Antelope Valley-East Kern WA Fairmont	1,706							
		Check No. 46	323.84									
				Reach 19 Total:	1,718		99	0	0	1,619	0	
20A	47	Check No. 47	326.77			1,096	3,664	59	94			
	48		326.91	Antelope Valley-East Kern WA Willow Springs Siphon	94							
			329.65	Antelope Valley-East Kern WA 120th Street West	Removed							
	Check No. 48		330.82									
	49	Check No. 49	335.93									
	50		336.73	AVEK WA - Quartz Hill (Wheeled for Palmdale WD)	0							
				Antelope Valley-East Kern WA	3,664							
			339.68	Antelope Valley-East Kern WA	59							
20B	Check No. 50		341.51			1,096	32	10	100	77		
	51	Check No. 51	342.07									
	52		342.80	Antelope Valley-East Kern WA 30th Street West	Not in Use							
		Check No. 52	343.74									
	53		346.98	PWD Palmdale	1,096							
			348.14	Antelope Valley-East Kern WA Acton Treatment Plant	32							
21	Check No. 53		348.17									
	54	Check No. 54	350.25									
	55	Check No. 55	352.70									
	56	Check No. 56	354.76									
22A			354.97	Littlerock Creek I.D.	0	293	100	77	100			
	58	Check No. 57	356.93									
			357.60	Antelope Valley-East Kern WA	10							
			357.72	Antelope Valley-East Kern WA 96th Street East	100							
			359.82	Antelope Valley-East Kern WA East Side Treatment Plant	370							

1/ Antelope Valley East Kern Water Agency entitlement water transferred to Mojave Water Agency.

Table 31b. Governor Edmund G. Brown California Aqueduct
 Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

October 2001

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		Mile			Entitlement	Rec.	State Water Bank Recovery	Flexible Pay Back Entitlement	Local		
	No.	Structure										
22B	58	Pearblossom Pumping Plant	360.61		58,907		330			86		
	59	Check No. 59	366.09									
	60	Check No. 60	373.94									
	61	Check No. 61	379.00									
	62	Check No. 62	384.26									
	63	Check No. 63	389.20	Mojave Water Agency Mojave River	0							
	64	Check No. 64	395.10									
	65	Check No. 65	400.32									
	66		401.10	Mojave Water Agency Morongo 24" and 42"	330							
					0							
23	Check No. 66	403.41										
	Mojave Siphon	405.48		Las Flores Ranch	86							
24	Mojave Siphon Powerplant	405.65			60,837							
	Silverwood Lake	407.65	Crestline Lake Arrowhead Water Agency		167	167	8					
25				Calif. State Park Silverwood Agency (Rec.)	8							
San Bernardino Tunnel	411.46			59,134								
26A		Devil Canyon Powerplant	412.73		0	30,862						
					59,134							
26A	68	Devil Canyon Afterbay Control Structures	412.88	MWD-SC Rialto	30,862	30,862						
				Desert Water Agency (MWD Wheeling Exchange)	0							
				San Gabriel Valley Water District	0							
				Coachella Valley WD (MWD Wheeling Exchange)	0							
				San Bernardino Valley MWD 24" and 72"	2,432		2,432					
				San Bernardino Valley MWD 48"	203							
				MWD (SBVMWD Exchange)	0							
28G	69	Santa Ana Valley Pipeline	425.46									
28H			433.06	MWD-SC Box Springs	7,590	7,590						
			440.05	MWD-SC Perris Bypass Pipeline	16,071							
28J	69	Lake Perris	442.00	MWD-SC 18"	300	16,071	300					
			443.44	MWD-SC 54"	0							
				MWD-SC 78"	0							
				Calif. State Park Lake Perris Recreation	36							
				MWD Total:	124,229	108,429	0	0	10,000	5,800		

Table 32. Water Quality At Selected SWP Locations

October 2001

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Banks Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct				Devil Canyon Afterbay Near San Bernardino
						O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	
Alkalinity	mg/l as CaCO ₃	43	91	86	81	83	85	87	87	80
Antimony	mg/l	NR	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NR	NR
Arsenic	mg/l	<0.001	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Beryllium	mg/l	NR	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.2
Bromide	mg/l	NR	0.04	0.43	0.19	0.30	0.36	0.41	0.40	0.35
Calcium	mg/l	9	15	19	19	20	20	21	20	20
Carbon - Dissolved Organic	mg/l as C	NR	3	3	3	3	2	2	3	3
Carbon - Total Organic	mg/l as C	NR	4	3	3	3	2	2	3	3
Chloride	mg/l	<5	15	130	62	99	112	125	134	108
Chromium	mg/l	0.002	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.005
Copper	mg/l	0.001	0.002	0.003	0.002	0.003	0.002	0.002	0.003	0.008
Fluoride	mg/l	<0.1	0.1	0.1	<0.1	0.1	0.1	0.1	0.1	0.1
Hardness	mg/l as CaCO ₃	39	83	113	109	108	112	118	116	108
Iron	mg/l	<0.005	<0.005	<0.005	0.007	0.006	<0.005	<0.005	<0.005	<0.005
Lead	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	4	11	16	15	14	15	16	16	14
Manganese	mg/l	<0.005	0.018	0.010	<0.005	0.006	<0.005	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l as N	<0.01	0.32	0.39	NR	NR	0.45	NR	0.40	0.39
Phosphorus-Ortho	mg/l as P	<0.01	0.08	0.09	NR	NR	0.08	NR	0.06	0.08
Phosphorus-Total	mg/l	<0.01	0.15	0.11	NR	NR	0.10	NR	0.08	0.11
Selenium	mg/l	NR	<0.001	0.002	NR	NR	NR	0.002	NR	NR
Sodium	mg/l	4	19	78	73	63	70	77	81	70
Specific Conductance	µS/cm	89	261	663	639	580	623	657	685	595
Sulfate	mg/l	2	16	34	16.5	39	38	38	38	38
Total Dissolved Solids	mg/l	67	148	356	355	319	335	365	362	320
Turbidity	NTU	3	41	5	12	4	5	5	7	3

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

October 2001

Date	Tides (feet above mean sea level)		Flow In CFS		Electrical Conductivity in milliSiemens/cm									Cl in mg/l	
			Net Delta Outflow Index		Rio Vista	Antioch	Chipps island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal	
	(Antioch) Daily Mean		Mean Daily	Monthly Average				md	md	md	14dm	md	14dm	md	
	Hi	Half						md	md	md	14dm	md	14dm	md	md
1	2.53	0.99	3,321	3,321	5,355	4.43	12.13	1.80	1.76	1.57	1.63	0.65	0.64	0.53	222
2	2.58	1.15	2,710	3,015	5,065	5.17	12.99	1.98	1.77	1.65	1.63	0.66	0.62	0.52	233
3	2.61	1.19	2,634	2,888	4,835	5.28	13.33	2.11	1.77	1.73	1.63	0.65	0.60	0.53	235
4	2.84	1.33	3,367	3,008	4,158	5.75	14.72	2.93	1.83	1.91	1.64	0.67	0.55	0.56	235
5	2.88	1.31	2,832	2,973	4,455	5.76	14.37	2.79	1.89	1.80	1.65	0.63	0.54	0.55	238
6	2.77	1.12	4,824	3,281	4,416	5.39	12.75	2.31	1.93	1.63	1.64	0.62	0.57	0.56	240
7	2.89	1.12	4,909	3,514	4,056	4.88	12.89	2.42	1.97	1.56	1.63	0.63	0.55	0.55	213
8	2.89	1.11	4,502	3,637	5,091	5.02	12.77	2.28	2.00	1.57	1.62	0.64	0.56	0.56	232
9	2.84	1.13	4,150	3,694	4,624	4.57	12.42	1.92	2.03	1.57	1.62	0.65	0.54	0.55	243
10	2.73	1.08	3,488	3,674	4,575	4.72	12.41	2.03	2.06	1.50	1.62	0.65	0.56	0.56	243
11	2.71	1.01	3,613	3,668	4,186	4.90	12.84	2.24	2.09	1.44	1.61	0.65	0.62	0.57	227
12	2.50	0.78	3,089	3,620	4,434	3.87	12.23	1.91	2.11	1.37	1.59	0.60	0.64	0.57	230
13	2.50	0.72	3,362	3,600	4,263	4.55	12.53	2.27	2.18	1.43	1.59	0.63	0.60	0.58	235
14	2.66	0.87	3,220	3,573	4,138	5.21	13.30	2.67	2.26	1.55	1.59	0.62	0.57	0.56	263
15	2.58	0.94	2,944	3,531	4,084	5.36	13.79	2.99	2.35	1.62	1.60	0.63	0.57	0.54	250
16	2.83	1.16	3,436	3,525	4,084	6.07	15.08	3.53	2.46	1.77	1.60	0.64	0.55	0.54	257
17	3.03	1.13	3,561	3,527	3,931	6.24	15.04	3.67	2.57	1.84	1.61	0.66	0.55	0.53	257
18	2.90	1.03	3,505	3,526	3,992	5.97	14.49	3.23	2.59	1.76	1.60	0.63	0.57	0.53	225
19	3.02	1.01	3,708	3,535	4,048	5.64	14.12	3.16	2.62	1.77	1.60	0.63	0.57	0.50	230
20	3.02	1.10	3,908	3,554	3,847	5.78	14.63	3.53	2.70	1.85	1.61	0.63	0.59	0.51	222
21	3.01	1.25	3,411	3,547	3,860	5.87	15.42	3.70	2.80	1.87	1.64	0.65	0.60	0.53	222
22	2.60	1.06	3,704	3,554	3,969	5.51	13.92	3.19	2.86	1.67	1.64	0.65	0.75	0.52	217
23	2.02	0.83	5,010	3,618	4,620	4.72	12.61	2.41	2.90	1.46	1.64	0.65	0.75	0.55	227
24	1.84	0.55	6,095	3,721	4,228	4.04	11.58	2.06	2.90	1.24	1.62	0.63	0.63	0.55	215
25	1.80	0.47	5,619	3,797	4,477	4.57	11.40	2.22	2.90	1.16	1.60	0.65	0.61	0.53	215
26	1.90	0.62	6,062	3,884	4,471	5.05	12.32	2.51	2.94	1.21	1.59	0.67	0.64	0.53	223
27	2.17	0.85	6,208	3,970	3,862	5.15	13.97	2.91	2.98	1.27	1.57	0.68	0.67	0.50	220
28	2.08	0.69	6,268	4,052	3,355	4.57	12.68	2.69	2.99	1.18	1.55	0.66	0.67	0.52	217
29	2.12	0.59	5,674	4,108	3,319	4.70	12.03	2.50	2.95	1.06	1.51	0.66	0.68	0.52	210
30	2.61	0.82	4,759	4,130	3,162	5.09	0.00	2.87	2.90	1.15	1.46	0.66	0.65	0.52	178
31	2.48	0.76	5,195	4,164	4,543	5.27	12.93	2.71	2.84	1.13	1.41	0.66	0.64	0.50	200

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

N.R. = No Record.

N.C. = Not computed due to insufficient data.

f = Excess Delta conditions with fish concerns.

r = Excess delta conditions with export/inflow ratio concerns.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

October 2001

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant	September 19, 2001	Toluene 2,4-Dichlorophenylacetic acid (DCAA)	1.1 1.06
California Aqueduct At Banks Pumping Plant	September 19, 2001	Toluene 2,4-Dichlorophenylacetic acid (DCAA)	0.73 0.909
O'Neill Forebay Outlet Check 13	September 19, 2001	2,4-Dichlorophenylacetic acid (DCAA)	0.88
Delta Mendota Canal At McCabe Road	September 19, 2001	2,4-Dichlorophenylacetic acid (DCAA) Methyl tert-butyl ether (MTBE)	0.94 1.2
California Aqueduct Near Kettleman City (Check 21)	September 19, 2001	2,4-Dichlorophenylacetic acid (DCAA)	0.82
California Aqueduct At Near Highway 119 (Check 21)	September 18, 2001	2,4-Dichlorophenylacetic acid (DCAA)	1.00
Devil Canyon Power Plant At Entrance To Santa Ana Pipeline	September 17, 2001	2,4-Dichlorophenylacetic acid (DCAA)	0.81

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh)

October 2001

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	5,091,840	5,472	31,402	46,403	2,107,584	2,107,584	498,420	8,222
2	2,500,416	4,320	30,555	43,470	2,136,192	2,136,192	510,410	8,574
3	2,938,752	0	24,689	38,234	2,015,616	2,015,616	478,425	5,625
4	2,179,008	0	29,498	37,653	1,357,632	1,357,632	432,980	2,405
5	2,017,152	0	29,603	40,593	1,045,056	1,045,056	430,135	2,400
6	616,896	5,472	30,877	38,913	528,768	528,768	421,895	2,398
7	39,744	6,048	28,378	34,293	285,120	285,120	414,465	2,397
8	1,449,504	7,488	28,189	40,173	277,248	277,248	424,710	2,400
9	1,836,288	3,168	25,585	39,655	262,272	262,272	455,390	5,061
10	2,583,072	2,592	28,798	42,238	260,544	260,544	506,865	8,645
11	3,357,792	864	26,033	40,593	196,800	196,800	429,100	3,631
12	3,741,408	288	24,857	36,729	163,392	163,392	416,720	287
13	2,690,208	0	31,353	42,595	160,128	160,128	406,425	294
14	3,310,272	0	26,166	40,208	186,048	186,048	394,620	292
15	3,414,528	0	35,161	37,982	161,088	161,088	422,765	294
16	2,472,768	0	49,049	43,652	160,320	160,320	412,910	323
17	3,583,584	0	56,693	50,008	162,240	162,240	411,670	325
18	3,604,320	0	52,892	50,393	12,672	12,672	402,250	289
19	3,126,240	0	57,456	51,835	223,680	223,680	413,150	292
20	3,109,536	0	51,807	45,570	75,072	75,072	394,265	284
21	3,427,200	0	55,244	47,999	301,248	301,248	401,635	267
22	2,977,632	0	51,240	46,543	265,920	265,920	388,095	273
23	3,737,664	0	39,501	44,562	286,272	286,272	375,180	229
24	3,830,688	0	43,981	47,922	283,968	283,968	379,195	201
25	3,284,640	0	41,174	54,285	261,120	261,120	378,640	201
26	3,058,848	0	34,608	43,876	301,824	301,824	375,890	203
27	2,773,440	0	23,128	24,108	265,152	265,152	366,435	190
28	3,188,448	0	25,571	29,708	237,312	237,312	393,540	191
29	3,283,488	0	23,982	23,576	261,120	261,120	365,870	180
30	3,274,272	0	26,271	30,618	540,480	540,480	178,430	187
31	2,825,856	0	19,355	29,855	1,105,728	1,105,728	325,815	186
Total	89,325,504	35,712	1,083,096	1,264,242	15,887,616	15,887,616	12,606,295	56,746

Table 36. San Luis Field Division Energy Data

October 2001

(in kWh)

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	832,320	832,320	0	0	944,352	-3,648
2	844,560	844,560	0	0	993,888	3,888
3	1,018,080	1,018,080	0	0	749,952	89,952
4	857,520	857,520	0	0	743,040	57,040
5	915,120	915,120	1,321,632	1,321,632	685,440	-560
6	886,320	886,320	1,180,800	1,180,800	9,216	9,216
7	943,776	943,776	0	0	1,179,936	3,936
8	723,168	723,168	1,070,496	1,070,496	875,520	-6,480
9	808,992	808,992	1,037,088	1,037,088	969,696	-10,304
10	956,304	956,304	1,488,672	1,488,672	1,305,504	-17,496
11	931,824	931,824	1,366,272	1,366,272	1,283,904	-39,096
12	955,152	955,152	2,075,040	2,075,040	1,292,544	-30,456
13	724,320	724,320	1,257,408	1,257,408	1,308,096	-14,904
14	1,148,832	1,148,832	674,784	674,784	1,306,656	-16,344
15	756,864	756,864	1,102,752	1,102,752	1,282,176	-40,824
16	741,312	741,312	1,338,624	1,338,624	1,216,224	-8,776
17	828,288	828,288	1,017,504	1,017,504	872,928	-9,072
18	849,600	849,600	1,199,520	1,199,520	872,928	-9,072
19	837,216	837,216	2,026,944	2,026,944	961,632	-18,368
20	775,152	775,152	0	0	1,220,544	-4,456
21	856,368	856,368	1,040,544	1,040,544	1,351,296	-20,704
22	709,344	709,344	1,089,792	1,089,792	859,680	-22,320
23	791,136	791,136	1,013,760	1,013,760	779,616	-4,384
24	739,872	739,872	1,004,544	1,004,544	439,488	-1,512
25	644,688	644,688	925,056	925,056	442,368	1,368
26	769,248	670,248	1,068,480	1,068,480	440,640	-360
27	837,072	738,072	0	0	451,296	10,296
28	1,293,696	1,193,696	1,503,072	1,503,072	487,008	-2,992
29	696,816	597,816	610,560	610,560	438,624	-2,376
30	678,528	579,528	990,144	990,144	724,896	-10,104
31	782,496	674,496	948,672	948,672	1,722,528	-41,472
Total	26,133,984	25,529,984	28,352,160	28,352,160	28,211,616	-160,384

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Pumping Plant Energy Load Data

(in kWh)

October 2001

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devils Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	17,332	47,768	67,032	63,594	65,628	934,992	997,200	2,186,784	8,058,240
2	17,318	46,536	69,588	66,384	68,886	931,608	1,012,104	2,297,952	8,269,920
3	18,484	47,536	73,026	69,624	71,352	1,061,784	1,109,736	2,437,056	8,930,160
4	18,446	48,616	82,908	79,056	80,064	945,144	1,075,320	2,410,272	8,716,320
5	16,768	45,040	82,494	78,516	79,542	1,073,808	1,140,120	2,549,376	9,289,440
6	19,132	52,968	77,238	73,260	74,466	1,195,200	1,253,016	2,786,688	10,279,440
7	14,316	37,600	69,174	66,168	67,716	1,217,088	1,365,192	3,074,976	11,595,600
8	14,456	37,400	69,984	66,222	68,760	925,920	1,030,824	2,293,632	8,282,880
9	18,384	49,008	79,884	77,436	77,994	985,968	1,049,616	2,322,720	8,659,440
10	16,286	42,688	86,202	80,784	83,286	1,105,128	1,243,584	2,758,176	9,809,280
11	16,556	44,088	79,938	77,148	78,426	967,176	1,080,288	2,385,216	8,877,600
12	10,106	27,800	72,270	69,174	70,704	1,089,720	1,169,928	2,556,288	9,097,920
13	7,514	18,232	59,796	56,232	59,220	1,063,872	1,142,784	2,556,576	9,465,840
14	8,540	21,816	72,522	69,426	72,252	1,782,360	2,004,408	4,462,272	16,556,400
15	8,640	20,280	46,530	44,928	44,010	955,296	1,068,696	2,367,360	8,521,920
16	4,602	11,960	4,374	3,258	4,806	1,077,264	1,170,144	2,587,392	9,524,880
17	6,078	13,656	1,260	1,080	1,026	1,135,512	1,257,408	2,803,680	9,987,840
18	5,774	13,624	2,124	1,134	1,674	1,146,384	1,223,064	2,711,808	9,859,680
19	5,290	14,000	1,224	1,026	1,026	1,013,184	1,121,472	2,504,448	9,093,600
20	8,040	18,960	2,142	1,692	1,080	1,012,464	1,088,280	2,461,824	9,120,240
21	2,412	5,344	1,998	1,692	1,512	1,253,592	1,424,376	3,183,840	11,689,200
22	2,472	6,656	1,944	1,548	1,386	907,704	972,936	2,174,688	7,805,520
23	6,822	16,944	1,926	1,530	1,368	881,352	997,704	2,200,896	8,069,040
24	5,588	12,848	1,890	1,404	1,386	971,856	1,094,040	2,467,008	9,078,480
25	4,138	10,088	1,908	1,368	1,386	1,045,152	1,098,072	2,436,768	8,909,280
26	5,452	12,680	12,366	12,312	12,096	1,009,512	1,084,680	2,433,312	8,971,200
27	7,376	17,744	18,504	17,136	19,008	1,031,832	1,135,008	2,582,784	9,537,120
28	4,872	11,288	1,962	1,638	1,494	1,946,736	2,168,208	4,906,656	18,137,520
29	2,678	6,192	1,836	1,512	1,404	905,040	1,014,696	2,297,088	8,431,920
30	4,418	9,152	1,512	1,152	1,206	951,408	1,033,632	2,354,688	8,665,920
31	4,188	10,224	1,854	1,458	1,422	950,976	1,024,416	2,291,040	8,439,120
Total	302,478	778,736	1,147,410	1,088,892	1,115,586	33,475,032	36,650,952	81,843,264	299,730,960

Table 38. Southern Field Division Energy Data

(in kWh)

October 2001

Date	West Branch			East Branch			
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Generation	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation
1	372,008	1,095,480	1,680,000	174,888	1,207,476	2,225,376	154,413
2	468,328	1,191,816	1,680,000	215,264	1,029,600	2,515,680	123,081
3	469,896	1,048,752	1,680,000	246,372	1,239,516	2,229,312	147,693
4	487,984	1,101,096	1,680,000	235,480	1,065,744	2,538,144	145,299
5	537,096	1,123,488	1,680,000	238,448	1,159,452	2,838,336	125,559
6	620,480	1,324,944	1,680,000	256,480	1,274,028	2,470,368	165,963
7	307,048	0	1,680,000	422,632	2,436,396	2,507,520	264,117
8	346,640	1,154,664	1,680,000	247,408	1,271,232	2,756,544	175,770
9	439,880	1,124,640	1,680,000	251,412	1,308,180	2,556,288	131,943
10	566,216	1,230,120	1,680,000	249,172	1,118,544	2,904,000	141,162
11	524,048	1,203,912	1,680,000	226,044	1,226,388	2,450,784	155,043
12	497,224	1,190,592	1,680,000	245,896	1,265,856	2,299,968	146,265
13	568,848	1,243,368	1,680,000	232,512	1,197,876	2,342,496	153,657
14	760,928	1,372,824	1,680,000	425,572	2,563,404	2,153,760	295,470
15	448,336	1,372,680	2,160,000	221,228	1,200,972	2,292,480	154,497
16	650,664	1,197,504	2,160,000	214,676	1,109,952	2,261,856	115,647
17	595,784	1,522,152	2,160,000	250,880	1,271,796	2,555,808	133,644
18	589,120	1,341,288	2,160,000	246,064	1,201,692	2,348,352	155,988
19	509,152	1,347,048	2,160,000	243,712	1,244,880	2,294,016	159,033
20	571,424	1,188,936	2,160,000	216,804	1,091,412	2,290,752	144,858
21	762,328	1,399,248	2,160,000	285,432	1,286,856	2,596,704	143,136
22	420,896	1,289,376	2,160,000	185,948	942,252	2,490,144	103,635
23	491,680	1,416,744	2,160,000	193,536	997,500	2,663,712	127,575
24	537,432	1,349,928	2,160,000	225,428	1,233,540	2,402,496	138,075
25	552,832	1,291,896	2,160,000	208,768	1,067,052	2,774,592	148,764
26	475,608	1,349,784	2,160,000	245,028	1,156,548	2,396,256	115,836
27	509,040	1,349,928	2,160,000	260,092	1,270,788	2,600,160	151,809
28	1,067,024	1,406,592	2,250,000	440,412	2,698,104	2,072,736	303,009
29	547,680	1,311,336	2,160,000	190,176	822,048	1,515,264	116,382
30	572,096	1,311,624	2,160,000	175,420	960,552	1,180,128	122,598
31	550,704	1,324,152	2,160,000	167,244	907,140	1,300,800	94,920
Total	16,818,424	38,175,912	60,330,000	7,638,428	39,826,776	72,824,832	4,754,841